

# CHEMISTRY HOMEWORK SHEET

NAME \_\_\_\_\_

103	262
<b>Lr</b>	<b>Lr<sup>+3</sup></b>
(262)	103 103 protons 100 electrons 159 neutrons



Round each of the following numbers to four significant figures:

0.0093347 mL \_\_\_\_\_

.0060747 cm<sup>3</sup> \_\_\_\_\_

230.005 g \_\_\_\_\_

83.389 moles \_\_\_\_\_

98964920 molecules \_\_\_\_\_

Write each of the following in scientific notation and with the correct number of sig figs:

8000 \_\_\_\_\_

1.00047 \_\_\_\_\_

0.00033 \_\_\_\_\_

5850000 \_\_\_\_\_

4.25548 \_\_\_\_\_

Perform the indicated operations on your calculator. Give your answers to the correct number of significant figures.

$(6.2 \times 10^3)(3.52 \times 10^{-7})(2.201 \times 10^3)$  \_\_\_\_\_

$13.5 + 0.42 + 6.72$  \_\_\_\_\_

$237.36 - 225.87$  \_\_\_\_\_

$1.16/13$  \_\_\_\_\_

$\frac{(8.8 + 3.72)}{(15.0)(1.92)}$  \_\_\_\_\_